

NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

1st & 2nd grade field trips

National Science Education Content Standards (Grades K-4)	GRADE 1			GRADE 2		
	Water	Air & Weather	Plants	Fall Changes	Rocks	Spring Changes
Science as Inquiry						
Abilities necessary to do scientific inquiry	✓	✓		✓	✓	✓
Understanding about scientific inquiry	✓			✓	✓	✓
Physical Science						
Properties of objects and materials	✓	✓	✓	✓	✓	
Position and motion of objects	✓				✓	✓
Light, heat, electricity, and magnetism		✓			✓	✓
Life Science						
Characteristics of organisms	✓	✓	✓	✓		✓
Life cycles of organisms	✓	✓	✓	✓		✓
Organisms and environments	✓	✓	✓	✓		✓
Earth and Space Science						
Properties of earth materials	✓	✓	✓	✓	✓	
Objects in the sky		✓	✓	✓		✓
Changes in earth and sky		✓	✓	✓	✓	✓
Science and Technology						
Abilities to distinguish between natural objects and objects made by humans		✓	✓	✓		
Abilities of technological design	✓	✓				
Understanding about science and technology		✓		✓		✓
Science in Personal & Social Perspectives						
Personal Health	✓	✓	✓	✓	✓	✓
Characteristics and changes in populations				✓		
Types of resources	✓	✓	✓	✓	✓	✓
Changes in environments				✓	✓	
Science and technology in local challenges				✓	✓	
History and Nature of Science						
Science as a human endeavor		✓	✓	✓	✓	
Unifying Concepts and Processes						
Systems, order, and organization	✓	✓	✓	✓	✓	✓
Evidence, models, and explanation	✓	✓	✓	✓	✓	✓
Constancy, change, and measurement	✓	✓	✓	✓	✓	✓
Evolution and equilibrium					✓	
Form and function	✓	✓	✓	✓	✓	✓

NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

3rd & 4th grade field trips

National Science Education Content Standards (Grades K-4)	GRADE 3			GRADE 4		
	Habitat	Geological Features	Ecosystems	Animal Adaptations	Cultural Contributions	Water Cycle
Science as Inquiry						
Abilities necessary to do scientific inquiry	✓		✓	✓		✓
Understanding about scientific inquiry	✓		✓	✓	✓	✓
Physical Science						
Properties of objects and materials		✓			✓	✓
Position and motion of objects	✓					✓
Light, heat, electricity, and magnetism						
Life Science						
Characteristics of organisms	✓		✓	✓		
Life cycles of organisms	✓		✓	✓		
Organisms and environments	✓		✓	✓		✓
Earth and Space Science						
Properties of earth materials	✓	✓	✓		✓	✓
Objects in the sky	✓		✓			✓
Changes in earth and sky		✓				✓
Science and Technology						
Abilities to distinguish between natural objects and objects made by humans		✓		✓	✓	
Abilities of technological design		✓			✓	✓
Understanding about science and technology ..	✓	✓	✓	✓	✓	✓
Science in Personal & Social Perspectives						
Personal Health	✓	✓	✓	✓	✓	✓
Characteristics and changes in populations	✓	✓	✓		✓	
Types of resources	✓	✓	✓	✓	✓	✓
Changes in environments	✓		✓	✓	✓	✓
Science and technology in local challenges	✓				✓	
History and Nature of Science						
Science as a human endeavor	✓	✓	✓	✓		✓
Unifying Concepts and Processes						
Systems, order, and organization	✓	✓	✓	✓	✓	✓
Evidence, models, and explanation	✓	✓	✓	✓	✓	✓
Constancy, change, and measurement	✓		✓	✓	✓	✓
Evolution and equilibrium		✓	✓	✓	✓	✓
Form and function	✓	✓	✓	✓	✓	✓

NATIONAL SCIENCE STANDARDS ADDRESSED IN THE

5th & 6th grade field trips

National Science Education Content Standards (Grades 5-8)	GRADE 5			GRADE 6		
	Physical Features	Natural Resources	Plant Adapt	Desert Micros	Bio- diversity	Wetlands Micros
Science as Inquiry						
Abilities necessary to do scientific inquiry	✓	✓	✓	✓	✓	✓
Understanding about scientific inquiry		✓	✓	✓		
Physical Science						
Properties and changes of properties in matter	✓	✓				
Motions and forces	✓	✓			✓	
Transfer of energy	✓	✓	✓	✓	✓	✓
Life Science						
Structure and function in living systems	✓	✓	✓	✓	✓	✓
Reproduction and heredity			✓	✓	✓	✓
Regulation and behavior		✓	✓	✓	✓	✓
Populations and ecosystems	✓		✓	✓	✓	✓
Diversity and adaptations of organisms	✓		✓	✓	✓	✓
Earth and Space Science						
Structure of the Earth System	✓	✓				✓
Earth's History	✓					
Earth in the Solar System	✓					
Science and Technology						
Abilities of technological design		✓		✓		
Understanding about science and technology	✓	✓		✓	✓	✓
Science in Personal & Social Perspectives						
Personal Health	✓	✓	✓	✓	✓	✓
Populations, resources, and environments		✓		✓	✓	✓
Natural hazards	✓	✓		✓	✓	✓
Risks and benefits		✓		✓	✓	✓
Science and technology in society	✓	✓		✓	✓	✓
History and Nature of Science						
Science as a human endeavor	✓	✓	✓	✓	✓	✓
Nature of science	✓	✓	✓	✓	✓	✓
History of science						✓
Unifying Concepts and Processes						
Systems, order, and organization	✓	✓	✓	✓	✓	✓
Evidence, models, and explanation	✓	✓	✓	✓	✓	✓
Constancy, change, and measurement	✓	✓		✓		✓
Evolution and equilibrium	✓	✓	✓	✓	✓	✓
Form and function		✓	✓	✓	✓	✓